| Index of Claims |         |    |         |          |          |           |               |              | '               | дрымановонноги. |            |                |                |         |                      |           |            |                              |                | Reexamination |          |            |                 |          |              |         |                         |                   |                   |           |
|-----------------|---------|----|---------|----------|----------|-----------|---------------|--------------|-----------------|-----------------|------------|----------------|----------------|---------|----------------------|-----------|------------|------------------------------|----------------|---------------|----------|------------|-----------------|----------|--------------|---------|-------------------------|-------------------|-------------------|-----------|
|                 |         |    |         |          |          |           |               |              | .               | 10/680,524      |            |                |                |         |                      |           |            |                              | CAUWELS ET AL. |               |          |            |                 |          |              |         |                         |                   |                   |           |
|                 |         |    |         |          | Ш        | Ш         |               |              |                 |                 |            |                |                |         | Exar                 |           |            |                              |                |               |          |            |                 |          | t U          |         |                         |                   | Т                 |           |
|                 |         |    |         |          |          |           |               |              |                 |                 |            |                |                | Ι.      |                      | . N.1 ·   | <b>T</b> 1 |                              |                | A = 1         | _        |            |                 | 20       | 74           |         |                         |                   |                   |           |
|                 |         | _  |         |          |          |           |               |              |                 |                 |            |                |                |         | PHA                  | <u>IN</u> | 1.1        | 1. F                         | PALN           | /IEI          | <u>K</u> |            |                 | 28       | 374          |         |                         | SET AL.           |                   |           |
|                 |         | T  |         |          |          | 1         |               |              |                 | <u>/T</u>       |            |                |                |         |                      | ſ         |            |                              |                |               | -        | ì          |                 |          |              |         |                         | $\neg$            | 1                 |           |
|                 | √       | ۱  | Reje    | ecte     | вd       |           |               | -            |                 | (11             | nrou<br>دC | igh n<br>ancel | ume<br>led     | erai    | '                    |           | N          | No                           | n-E            | leci          | ted      |            | A               |          | Αŗ           | pe      | al                      |                   |                   |           |
|                 | -       | ╀  |         |          | _        |           |               | -            |                 |                 |            |                | -              |         |                      | }         | -          |                              |                |               |          | 1          | Н               |          |              |         |                         | -                 |                   |           |
|                 | =       |    | Alla    | we       | be       |           |               | +            |                 |                 | Re         | stric          | ted            |         |                      |           | ı          | Int                          | terfe          | rer           | 1CB      |            | 0               |          | Obj          | ject    | ted                     |                   |                   |           |
|                 |         | L  |         |          |          |           |               |              |                 |                 |            |                |                |         |                      | į         | $\perp$    |                              |                |               |          | ļ          | Ш               |          |              |         |                         |                   |                   |           |
| Claim           | $\top$  |    | Date    |          |          |           |               |              | -               |                 | Claim      |                |                |         | [                    | Date      | •          |                              |                |               | CI       | aim        | 1               | Date     |              |         |                         |                   | $\neg$            |           |
| $\overline{}$   |         | Τ  |         |          | П        |           |               |              |                 |                 |            | ı              | Ī              | Т       | $\Box$               |           |            |                              |                |               |          |            | П               | $\Box$   | Т            | T       |                         |                   |                   |           |
| Final           | 4/19/05 | ı  |         |          |          |           |               |              |                 |                 | Final      | Original       |                |         |                      |           |            |                              |                |               | Final    | Original   | H               |          |              |         |                         |                   |                   |           |
| ة   ت           | 4       | ١  |         |          |          |           |               |              |                 |                 | ш          | ŏ              |                |         |                      |           |            |                              |                |               | "        | ŏ          | Ш               |          |              |         |                         |                   |                   | İ         |
| 1 (1            | ) =     | Ì  |         | t        |          |           |               |              |                 |                 |            | 51             |                |         |                      |           |            |                              |                |               |          | 101        |                 |          |              |         |                         |                   |                   |           |
| 2 2             | =       | _  | 1       | L        | L        | Ĺ         | $\vdash$      | $oxed{\Box}$ | Щ               |                 |            | 52             |                | $\bot$  | $\Box$               | $\dashv$  | 1          | $\perp$                      | 1              |               |          | 102        | $\Box$          | $\perp$  | $\perp$      | $\perp$ | 1                       | $\sqcup$          | $\sqcup$          | _         |
| 3 3<br>4 4      |         | -  |         | ╀        | -        | $\vdash$  | -             |              | Н               |                 |            | 53<br>54       | +              | +       | +                    | $\dashv$  | $\dashv$   | +                            | +              | liii l        | <u> </u> | 103<br>104 | $\vdash$        | +        | +            | - -     | +                       | +                 | $\vdash$          | $\dashv$  |
| 5 5             |         | +- | +       | $\vdash$ | -        | H         | <del> -</del> |              | Н               |                 |            | 55             | $\dashv$       | +       | + +                  | $\dashv$  | $\dashv$   | +                            | +              |               | <u> </u> | 105        | H               | +        | +            | +       | +                       | +                 | $\vdash$          | $\dashv$  |
| 6 6             | =       | İ  | 工       |          |          |           |               |              |                 |                 |            | 56             | 工              |         |                      |           | 力          | 士                            | 上              |               |          | 106        |                 | 士        | 士            |         | İ                       |                   |                   | $\exists$ |
| 7 7             |         | -  | $\perp$ |          |          |           |               |              |                 |                 |            | 57             | $\bot$         | I       | П                    |           | $\Box$     | $\Box$                       |                |               |          | 107        | $\Box$          | Ţ        | Ţ            | I       | F                       | П                 | $\Box$            | $\Box$    |
| 8 8<br>9 9      |         | -  | -       | ├-       | -        | $\vdash$  | -             |              |                 |                 |            | 58<br>59       | +              | -       | +                    |           | $\dashv$   | _                            |                |               |          | 108<br>109 | $\vdash \vdash$ | $\perp$  | +            | _       | ╀                       | +                 | $\vdash$          | $\dashv$  |
| 9 9             |         | _  | +       | $\vdash$ | $\vdash$ |           |               | $\vdash$     | Н               | ::: <b>!</b> :  |            | 60             | +              | +       | +                    | $\dashv$  | $\dashv$   | +                            | +              | <b> </b>      |          | 1109       | Н               | +        | +            | ╁       | +                       | +                 | $\dashv$          | $\dashv$  |
| 11 11           | 1 =     | -  | _       | t        |          |           |               |              |                 |                 |            | 61             | +              | $\top$  | 11                   |           | _          | _                            |                |               |          | 111        | П               | +        | +            | $\top$  | $\dagger$               | T                 | $\top$            |           |
| 12 (12          |         | -  |         |          | L        |           |               |              |                 |                 |            | 62             | $\blacksquare$ | $\perp$ |                      |           | $\Box$     | $\prod$                      |                |               |          | 112        |                 | $\Box$   |              |         |                         |                   |                   |           |
| 16 13           | 3 =     |    | +       |          | ╀        | ╀╌        | _             | L            |                 |                 |            | 63             | +              | +       | +                    |           | $\dashv$   | -                            | $\perp$        |               |          | 113        |                 | _        | +            | +       | -                       | -                 | Н                 | 4         |
| 17 14<br>18 15  |         | _  | +       | $\vdash$ | $\vdash$ | ├         |               | _            |                 |                 |            | 64<br>65       | +              | +       | +                    |           | $\dashv$   | $\dashv$                     | +              |               |          | 114<br>115 | H               | $\dashv$ | +            | +       | ╫                       | ╁╌┤               | $\dashv$          | -         |
| 13 16           |         | -  | +       | T        | $\vdash$ | $\dagger$ | $\vdash$      |              |                 |                 |            | 66             | $\dashv$       | +       | +                    |           | $\dashv$   | $\top$                       | +              |               |          | 116        | Н               | $\dashv$ | +            | +       | +                       | H                 | $\forall$         | $\dashv$  |
| 14 17           | 7 =     | _  |         |          |          |           |               |              |                 |                 |            | 67             |                |         |                      |           |            |                              |                |               |          | 117        |                 |          |              |         |                         |                   |                   |           |
| 15 18           |         |    |         | _        | ┞-       | L         |               |              |                 |                 |            | 68             | 4              | $\perp$ | $\sqcup$             |           | $\perp$    | 4                            |                |               |          | 118        |                 | 4        | 4            | 1       | $oldsymbol{\downarrow}$ |                   |                   | $\Box$    |
| 19 19<br>20 20  |         | -  | +-      | -        | ⊬        | $\vdash$  | $\vdash$      |              | -               |                 |            | 69<br>70       | +              | +-      | +-                   | $\dashv$  | $\dashv$   | +                            | +              |               | <u> </u> | 119<br>120 | Н               | +        | +            |         | +-                      | +                 |                   | -         |
| 21 21           |         | -  | +       | t        | t        | H         | -             |              |                 |                 |            | 71             | +              | +       | +                    |           | $\dashv$   |                              |                |               | -        | 121        | Н               | $\dashv$ | +            | ╁       | +                       | $\forall$         | $\dashv$          | $\dashv$  |
| 22 22           | 2 =     | _  |         |          |          |           |               |              |                 |                 |            | 72             |                |         |                      |           |            |                              |                |               |          | 122        |                 |          |              |         |                         |                   |                   | 1         |
| 23 23           | 3 =     |    |         |          |          |           |               |              |                 |                 |            | 73             | 4              | $\perp$ | $\perp$              |           | $\Box$     | $\perp$                      | $\perp$        |               |          | 123        |                 |          | $\perp$      | $\bot$  | $\perp$                 | Ш                 |                   |           |
| 24 (24<br>25    | = ע     | ╀  | +       | -        | 1        | H         | _             | -            | _               |                 |            | 74<br>75       | +              | +       | +                    |           |            | _                            | -              |               | ļ        | 124<br>125 | Н               |          | +            | -       | +                       | $\perp$           |                   | 4         |
| 26              | -       | t  | +-      | 1        | $\vdash$ | ├         | $\vdash$      |              | Н               |                 |            | 76             | -+             | +       | +                    |           | $\dashv$   | $\dashv$                     | ╅              | 1             |          | 126        | Н               | +        | +            | ╁╴      | ╁┈                      | +                 | $\dashv$          | $\dashv$  |
| 27              | 7       | 1  |         |          |          |           |               |              |                 |                 |            | 77             | 1              | I       |                      |           |            | 士                            |                |               |          | 127        |                 |          | 士            |         | İ                       |                   |                   |           |
| 28              |         | I  |         |          |          |           |               |              |                 |                 |            | 78             | $\perp$        | $\bot$  |                      | $\Box$    | $\Box$     | $\Box I$                     | Ţ              |               |          | 128        | П               | $\Box$   | $\perp$      | I       | Ţ                       |                   |                   |           |
| 30              |         | +  | +       |          | -        | $\vdash$  | -             | -            | Н               |                 |            | 79<br>80       | +              | +       | +                    |           | $\dashv$   | +                            | +-             |               | ļ        | 129<br>130 | $\vdash$        | _        |              |         | +                       | +                 | $\vdash$          | $\dashv$  |
| 31              |         | t  | +       | -        | -        | +-        | -             | $\vdash$     | Н               |                 |            | 81             | $\dashv$       | +       | +                    | $\dashv$  | $\dashv$   | $\dashv$                     | +              |               | <b></b>  | 131        | $\vdash$        | +        | +            | +       | +                       | H                 | $\vdash$          | $\dashv$  |
| 32              | 2       | İ  | 士       |          |          |           |               |              |                 |                 |            | 82             | 士              |         |                      |           |            | 士                            |                |               |          | 132        |                 | _        | $\perp$      | 士       | $\pm$                   | $\perp$           | 口                 | $\exists$ |
| 33              |         | Ţ  |         | $\Box$   |          |           |               |              |                 |                 |            | 83             | Ţ              | $\top$  | П                    |           |            | $\perp$                      |                |               |          | 133        | П               | $\perp$  | $\perp$      |         | I                       | Ш                 |                   | $\Box$    |
| 34<br>35        |         | +  | -       | -        | $\vdash$ | $\vdash$  | <u> </u>      | $\vdash$     | Н               |                 |            | 84             |                | +       | +                    | $\dashv$  | $\dashv$   | +                            | +              |               | <u> </u> | 134        | $\sqcup$        | $\dashv$ | -            | +       | +                       | $\sqcup$          |                   | $\dashv$  |
| 36              |         | +  | +       | +-       | $\vdash$ | $\vdash$  | $\vdash$      | $\vdash$     | Н               |                 |            | 85<br>86       | $\dashv$       | +       | +                    |           | $\dashv$   | +                            | +              |               |          | 135<br>136 | H               | +        | +            | +-      | +                       | H                 | $\vdash$          | $\dashv$  |
| 37              |         | t  | +       | H        | Н        |           |               | Н            | H               |                 |            | 87             | $\dashv$       | +       | $\dagger \dagger$    | $\dashv$  | $\dashv$   | $\dashv$                     | +              |               |          | 137        | $\vdash$        | $\dashv$ | $\dashv$     | +       | $\dagger$               | H                 | $\vdash \uparrow$ | $\dashv$  |
| 38              | 3       | I  |         | $\Box$   |          |           |               |              |                 |                 |            | 88             | ightharpoons   | T       |                      |           |            |                              | $\perp$        |               |          | 138        | П               | $\Box$   | ightharpoons | 1       | I                       | Ш                 |                   |           |
| 39              |         | +  | +       |          | 1        | $\sqcup$  | _             |              | Щ               |                 |            | 89             | -              | $\bot$  | $\perp \perp$        | Ц         | $\dashv$   | $\perp$                      | _              |               | ļ        | 139        | $\sqcup$        | _        | $\perp$      |         | $\perp$                 | $\Box$            | $\sqcup$          | 4         |
| 40              |         | +  | +-      | -        | -        | -         | $\vdash$      | $\vdash$     | Н               |                 |            | 90<br>91       | +              | +       | +-                   | $\dashv$  | $\dashv$   | +                            | +              |               |          | 140<br>141 | $\vdash$        | +        | +            | +       | +                       | +                 | $\vdash \vdash$   | $\dashv$  |
| 42              |         | t  | +       |          | $\vdash$ | $\vdash$  |               |              | H               |                 |            | 92             | $\dashv$       | +       | +                    |           | $\dashv$   | +                            | +-             |               | <b></b>  | 142        | $\vdash$        | $\dashv$ | +            | +       | +                       | +                 | $\vdash$          | $\dashv$  |
| 43              | 3       | I  |         |          |          |           |               |              |                 |                 |            | 93             |                | $\perp$ |                      |           |            |                              |                |               |          | 143        |                 |          | 工            | 上       | I                       |                   |                   |           |
| 44              |         | +  | +       | ├-       | ├-       |           | <u> </u>      | $\vdash$     | Ц               |                 |            | 94             | _              | +       | $\dashv$             | $\Box$    |            | _                            | 4              | <b> </b>      | <u> </u> | 144        | $\sqcup$        | $\perp$  | $\perp$      | $\perp$ | $\perp$                 | +1                | Ц                 | 4         |
| 45              |         | +  | +       | $\vdash$ | $\vdash$ | $\vdash$  | $\vdash$      | $\vdash$     | $\vdash \vdash$ | . 11<br>11 11   |            | 95<br>96       | +              | +       | +                    | $\dashv$  | $\dashv$   | +                            | +              |               |          | 145<br>146 | $\vdash$        | +        | +            | +       | +                       | ╁┤                | $\vdash \vdash$   | -         |
| 47              | 7       | t  | +       | T        | T        |           | $\vdash$      | -            | H               |                 |            | 97             | +              | +       | +                    | $\dashv$  | $\dashv$   | $\dashv$                     | +              |               |          | 147        | H               | +        | +            | +       | +                       | $\dagger \exists$ | $\vdash$          | $\dashv$  |
| 48              | 3 📗     | I  |         |          |          |           |               |              |                 |                 |            | 98             | $\perp$        | $\perp$ | П                    |           |            |                              | 工              |               |          | 148        |                 | $\Box$   |              |         |                         |                   |                   | J         |
| 49              |         | Ļ  | $\perp$ | <u> </u> | $\vdash$ | Ц         | <u> </u>      | Ц            | Щ               |                 |            | 99             | $\perp$        | 1       | $oldsymbol{\square}$ |           | $\dashv$   |                              | 1              |               |          | 149        | Ц               | $\bot$   | $\bot$       | $\bot$  | $\perp$                 | $\Box$            | I                 | $\Box$    |
| 50              | <u></u> | L  |         | <u> </u> | <u> </u> | ட         | ــــــا       |              |                 | - [             |            | 100            | L              |         |                      |           |            | $\perp \! \! \! \! \! \perp$ |                | J [           | L        | 150        | Ш               |          |              |         | L                       |                   | $\Box \bot$       | - 1       |

Application/Control No.

Applicant(s)/Patent under